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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/807,677	04/16/2001	Ludwig Hofmann	112740-206	2308
29177 75	590 05/19/2005		EXAMINER	
BELL, BOYD & LLOYD, LLC			ELAHEE, MD S	
P. O. BOX 113: CHICAGO, IL			ART UNIT PAPER NUMBER	
,			2645	
			DATE MAILED: 05/19/2005	5

Please find below and/or attached an Office communication concerning this application or proceeding.

			14
	Application No.	Applicant(s)	A
Office Action Succession	09/807,677	HOFMANN, LUDWIG	
Office Action Summary	Examiner	Art Unit	
	Md S. Elahee	2645	
The MAILING DATE of this communication ap Period for Reply	ppears on the cover sheet with th	e correspondence address	
A SHORTENED STATUTORY PERIOD FOR REPI THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is tess than thirty (30) days, a regil f NO period for reply is specified above, the maximum statutory period. - Failure to reply within the set or extended period for reply will, by statu Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	. 136(a). In no event, however, may a reply be ply within the statutory minimum of thirty (30) by will apply and will expire SIX (6) MONTHS for the cause the application to become ABANDO	e timely filed days will be considered timely. rom the mailing date of this communication. DNED (35 U.S.C. § 133).	
Status			
1) Responsive to communication(s) filed on 24 I	February 2005.		
	is action is non-final.		
3) Since this application is in condition for allow	ance except for formal matters,	prosecution as to the merits is	
closed in accordance with the practice under	Ex parte Quayle, 1935 C.D. 11,	, 453 O.G. 213.	
Disposition of Claims			
4) ☐ Claim(s) 16-28,33-53 and 58-65 is/are pending 4a) Of the above claim(s) is/are withdrays 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 16-28,33-53 and 58-65 is/are rejected 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/	awn from consideration.		
Application Papers			
9)☐ The specification is objected to by the Examin	ner.		
10) ☐ The drawing(s) filed on is/are: a) ☐ ac	•		
Applicant may not request that any objection to the	-, .	• '	
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the E			
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreig a) All b) Some * c) None of: 1. Certified copies of the priority documer 2. Certified copies of the priority documer 3. Copies of the certified copies of the priority application from the International Burea * See the attached detailed Office action for a list	nts have been received. nts have been received in Applic onty documents have been rece au (PCT Rule 17.2(a)).	cation No eived in this National Stage	
Attachment(s)	_		
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4)		
Paper No(s)/Mail Date		al Patent Application (PTO-152)	

DETAILED ACTION

Response to Amendment

1. This action is responsive to an amendment filed 02/24/05. Claims 16-28, 33-53 and 58-65 are pending. Claims 1-15, 29-32 and 54-57 have been cancelled.

Response to Arguments

2. Applicant's arguments with respect to claims 16-28, 33-53 and 58-65 have been fully considered but they are not persuasive.

Regarding claims 16 and 42, the Applicant argues on page 13, lines 19-22 that "Using mobile station of Carr as the mobile station (M1) in the communication system of Pequet negates the coverage area of the base station, in particular to reach the mobile stations M3 and M4 by the base station, because the mobile station of Carr is not able to work as a repeater under such a configuration." The examiner disagrees with this argument. The applicant didn't claim that mobile station work as a repeater. Thus the rejection of the claims in view of Pequet and Carr remain.

Claim Rejections - 35 USC § 103

- 3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

4. Claims 16-28, 33-53 and 58-65 are rejected under 35 U.S.C. 103(a) as being unpatentable over Pequet et al. (European Pub. No. 0, 689,303 A1) and in view of Carr et al. (U.S. Patent No. 6,091,948).

Regarding claims 16 and 42, Pequet teaches at least one base station (abstract; fig.1; page 1, lines 29-35).

Pequet further teaches a plurality of mobile stations including at a least first and a second mobile station, each of the plurality of mobile stations able to carry out transmission and reception operations in both a duplex mode and a semiduplex mode, the duplex mode being a frequency division duplex mode and the semiduplex mode being a time division duplex mode (abstract; fig.1, fig.2; page 2, lines 14-22, page 3, lines 14-22, page 4, lines 26-41, page 5, lines 66, 67, page 6, lines 1-15, 48, 58, page 7, line1).

Pequet further teaches that the first mobile station simultaneously carries out transmission and reception operations with the at least one base station in the duplex mode and carries out transmission and reception operations with the second mobile station in the semiduplex mode (fig.1, fig.2; page 2, lines 14-22, page 3, lines 14-22, page 4, page 4, lines 26-41, page 5, lines 66, 67, page 6, lines 1-15, 48, 58, page 7, line1).

Pequet teaches the transmission of signals from the second mobile station via the first mobile station to the base stations and the transmission of signals from the base station via the first mobile station to the second mobile station (fig.1; page 3, lines 14-22).

However, Pequet does not specifically teach "the first mobile station may switch on and off, at least one of manually and automatically". Carr teaches that the first mobile station may switch on and off, at least one of manually and automatically (abstract; col.1, line 52-col.3, line

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19, lines 26-39, col.4, lines 20-67). Thus, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Pequet to allow the first mobile station to switch on and off, at least one of manually and automatically as taught by Carr. The motivation for the modification is to have doing so in order to control the call forwarding operation of radio unit.

Regarding claims 17 and 43, Pequet teaches that the transmission and reception operations of the first mobile station are carried out cyclically in time slots, the time slots for the duplex and semiduplex modes running synchronously with respect to one another (fig.1, fig.2; page 2, lines 14-22, page 4, lines 26-41, page 5, lines 66, 67, page 6, lines 1-15, 48, 58).

Regarding claims 18, 19 and 44 are rejected for the same reasons as discussed above with respect to claim 1.

Regarding claims 20-23 and 46-48, Pequet teaches that the first mobile station further carries out transmission and reception operations with a third mobile station in the semiduplex mode (fig.1, fig.2; page 5, lines 66, 67, page 6, lines 1-15, 48, 58).

Regarding claims 24-27, Pequet teaches that the first mobile station further carries out transmission and reception operations with a third mobile station in the semiduplex mode, such that signals from the second mobile station are transmitted via the first mobile station to the third mobile station, and signals from the third mobile station are transmitted via the first mobile station to the second mobile station (fig. 1, fig. 2; page 5, lines 66, 67, page 6, lines 1-15, 48, 58).

Regarding claim 28, Pequet teaches that the plurality of mobile stations are coupled to one another to form at least one of a communication chain and a communication network (abstract; fig. 1; page 2, lines 14-22, page 3, lines 14-22).

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Regarding claims 50-52, Pequet teaches that a part for additionally carrying out transmission and reception operations with a third mobile station in the semiduplex mode, such that signals from the second mobile station are transmitted via the first mobile station to the third mobile station, and signals from the third mobile station are transmitted via the first mobile station to the second mobile station (fig.1, fig.2; page 5, lines 66, 67, page 6, lines 1-15, 48, 58, page 7, line1).

Regarding claims 33-41, 45 and 58-65 are rejected for the same reasons as discussed above with respect to claims 18 and 20.

Regarding claims 49 and 53 are rejected for the same reasons as discussed above with respect to claims 20 and 50 simultaneously.

Conclusion

- 5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Kinnunen et al. (U.S. Patent No. 6,230,015) teach Picking up of mobile stations from a direct mode channel and Toler (U.S. Patent No. 4,056,779) teach Vehicular repeater.
- 6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Md S. Elahee whose telephone number is (571) 272-7536. The examiner can normally be reached on Mon to Fri from 8:30am to 5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Fan Tsang can be reached on (571) 272-7547. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent

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M.E.

MD SHAFIUL ALAM ELAHEE

May 16, 2005

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